

V-Twin Mfg.  
Shifter Kit Installation Instructions

This is a custom application and should only be installed by a knowledgeable and trained motorcycle technician. V-Twin Mfg. accepts no responsibility for improper installation.

Instructions are for the following V-Twin Part numbers - VT No. 22-1002, VT No. 22-1056, VT No. 22-1003 and VT No. 22-1004.

FXST SHIFTER ASSEMBLY Contains All Parts Pictured.

**FXST STYLE SHIFTER:**

The follow kits, VT No. 22-1002, 22-1056, 22-1003, 22-1004 places rider foot peg in a up and forward position and should be used in combination with an FXST style forward brake kit, VT No. 22-1001, 22-1018, 22-1060 or 22-1061. Kit 22-1004 is also used in our combo FXST style kit for FXR 22-1062 which includes the 22-1054 brake kit.

VT No. 22-1002 - 1952-78 Ratchet Top 4 Speed. 1971-73 FX-FXE.

VT No. 22-1056 - 1974-78 FX-FXE Ratchet Top 4 Speed.

VT No. 22-1003 - 1979-84 FLH-FXWG-FXST Rotary Top 4 Speed.

VT No. 22-1004 - 1979-84 FXE Rotary Top 4 Speed.  
1981-Up 5-Speed. FXR-FXS-FXRS.  
1985-Up FXST FXSTC 5 Speed.

**ASSEMBLY NOTE:**

1. Attach shifter bracket (#6) by 3 bolts 3/8-16x7/8, using lock washers to frame boss. Place anti-vibration washer 1 (large) on inner shaft lever #7, insert into shift bracket, place #2 (small) fiber washer on shaft then install foot shift lever.

**CONNECTING SHIFTER ROD TO TRANS-SHIFTER LEVER - Model fits type of lever illustrated.**

1. 22-1002 Attach fork end of rod to (#69) which is included.
2. 22-1058 Retain (#94) OEM 34614-74 ball joint, which accepts threaded rod end. #70 and cover included.
3. 22-1003 Attach fork end of rod to #(22).
4. A - 22-1004 On FX models 1979-84 4-speed retain A #55 (OEM 34659-79) ball joint end which accepts threaded rod.
5. B - FXR MODELS 1981-UP 5-speed separate ball 8 joint #26 and reuse lend of existing ball joint (33728-82A) #26.
6. 1985-Up FXST-FLST, screw rod into existing ball C joint # 64 (OEM 33729-82).

FINAL ASSEMBLY should include adjustment and tightening all lock and jam nuts on rod ends.

